

SEQUENCE LISTING

<110> Romeo, Tony Wang, Xin

- <120> METHODS FOR POLYSACCHARIDE ADHESION SYNTHESIS MODULATION
- <130> 14233.10USU1
- <140> US 10/675,226
- <141> 2003-09-29
- <150> US 60/414,352
- <151> 2002-09-30
- <160> 9
- <170> PatentIn version 3.1
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- Pro Ala Arg Gly Tyr Ala Ala Val Ala Val Ala Tyr Arg Asn Leu Gln
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- Ala Gly His Tyr Asp Thr Ala Leu Val Lys Leu Lys Gln Leu Asn Ser 145 150 155 160
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- Pro Glu Asn Ala Ser Thr Gln Gln Tyr Pro Thr Glu Tyr Val Gln Ala 195 200 205
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- Pro Asp Ile Arg Ala Asp Ile His Ala Glu Leu Val Arg Leu Ser Phe 225 230 235 240
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Gly Trp Pro Arg Ala Ala Glu Asn Glu Leu Lys Lys Ala Glu Val Ile 450 455 460

Glu Pro Arg Asn Ile Asn Leu Glu Val Glu Gln Ala Trp Thr Ala Leu 465 470 475 480

Thr Leu Gln Glu Trp Gln Gln Ala Ala Val Leu Thr His Asp Val Val 485 490 495

Glu Arg Glu Pro Gln Asp Pro Gly Val Val Arg Leu Lys Arg Ala Val

500 505 510

Asp Val His Asn Leu Ala Glu Leu Arg Ile Ala Gly Ser Thr Gly Ile 515 520 525

Asp Ala Glu Gly Pro Asp Ser Gly Lys His Asp Val Asp Leu Thr Thr 530 535 540

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Phe Gly Tyr Ala Asp Gly Gln Phe Ser Glu Gly Lys Gly Ile Val Arg 565 570 575

Asp Trp Leu Ala Gly Val Glu Trp Arg Ser Arg Asn Ile Trp Leu Glu 580 585 590

Ala Glu Tyr Ala Glu Arg Val Phe Asn His Glu His Lys Pro Gly Ala 595 600 605

Arg Leu Ser Gly Trp Tyr Asp Phe Asn Asp Asn Trp Arg Ile Gly Ser 610 615 620

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Ser Ser Pro Tyr Leu Ile Val Asp Phe Leu Pro Ser Leu Tyr Tyr Glu 690 695 700

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Asp Ile Val Pro Ala Phe Glu Ala Ser His Leu Leu Trp Arg Ser Tyr 725 730 735

Glu Asn Ser Trp Glu Gln Ile Phe Ser Ala Gly Val Gly Ala Ser Trp

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Gln Lys His Tyr Gly Thr Asp Val Val Thr Gln Leu Gly Tyr Gly Gln
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Arg Ile Ser Trp Asn Asp Val Ile Asp Ala Gly Ala Thr Leu Arg Trp
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Ile Ile Thr Val Gln Glu Lys Ser Pro Gln Arg Ile Met His Ile Asp

Leu Asp Tyr Val Tyr Asp Glu Asn Leu Gln Gln Met Asp Arg Asn Ile Asp Val Leu Ile Gln Arg Val Lys Asp Met Gln Ile Ser Thr Val Tyr Leu Gln Ala Phe Ala Asp Pro Asp Gly Asp Gly Leu Val Lys Glu Val Trp Phe Pro Asn Arg Leu Leu Pro Met Lys Ala Asp Ile Phe Ser Arg Val Ala Trp Gln Leu Arg Thr Arg Ser Gly Val Asn Ile Tyr Ala Trp Met Pro Val Leu Ser Trp Asp Leu Asp Pro Thr Leu Thr Arg Val Lys Tyr Leu Pro Thr Gly Glu Lys Lys Ala Gln Ile His Pro Glu Gln Tyr His Arg Leu Ser Pro Phe Asp Asp Arg Val Arg Ala Gln Val Gly Met Leu Tyr Glu Asp Leu Ala Gly His Ala Ala Phe Asp Gly Ile Leu Phe His Asp Asp Ala Leu Leu Ser Asp Tyr Glu Asp Ala Ser Ala Pro Ala Ile Thr Ala Tyr Gln Gln Ala Gly Phe Ser Gly Ser Leu Ser Glu Ile Arg Gln Asn Pro Glu Gln Phe Lys Gln Trp Ala Arg Phe Lys Ser Arg Ala Leu Thr Asp Phe Thr Leu Glu Leu Ser Ala Arg Val Lys Ala Ile Arg Gly Pro His Ile Lys Thr Ala Arg Asn Ile Phe Ala Leu Pro Val

Ile Gln Pro Glu Ser Glu Ala Trp Phe Ala Gln Asn Tyr Ala Asp Phe

Leu Lys Ser Tyr Asp Trp Thr Ala Ile Met Ala Met Pro Tyr Leu Glu 565 570 575

Gly Val Ala Glu Lys Ser Ala Asp Gln Trp Leu Ile Gln Leu Thr Asn 580 585 590

Gln Ile Lys Asn Ile Pro Gln Ala Lys Asp Lys Ser Ile Leu Glu Leu 595 600 605

Gln Ala Gln Asn Trp Gln Lys Asn Gly Gln His Gln Ala Ile Ser Ser 610 615 620

Gln Gln Leu Ala His Trp Met Ser Leu Leu Gln Leu Asn Gly Val Lys 625 630 635 640

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Gly Val Tyr Phe Trp Val Tyr Arg Glu Arg His Trp Pro Trp Gly Glu 50 55 60

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Ile Pro Cys Phe Asn Glu Glu Lys Asn Val Glu Glu Thr Ile His Ala 85 90 95

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- Cys Ile Asp Gly Asp Ala Leu Leu Asp Arg Asp Ala Ala Ala Tyr Ile 165 170 175
- Val Glu Pro Met Leu Tyr Asn Pro Arg Val Gly Ala Val Thr Gly Asn 180 185 190
- Pro Arg Ile Arg Thr Arg Ser Thr Leu Val Gly Lys Ile Gln Val Gly 195 200 205
- Glu Tyr Ser Ser Ile Ile Gly Leu Ile Lys Arg Thr Gln Arg Ile Tyr 210 215 220
- Gly Asn Val Phe Thr Val Ser Gly Val Ile Ala Ala Phe Arg Arg Ser 225 230 235 240
- Ala Leu Ala Glu Val Gly Tyr Trp Ser Asp Asp Met Ile Thr Glu Asp 245 250 255
- Ile Asp Ile Ser Trp Lys Leu Gln Leu Asn Gln Trp Thr Ile Phe Tyr 260 265 270
- Glu Pro Arg Ala Leu Cys Trp Ile Leu Met Pro Glu Thr Leu Lys Gly 275 280 285
- Leu Trp Lys Gln Arg Leu Arg Trp Ala Gln Gly Gly Ala Glu Val Phe 290 295 300
- Leu Lys Asn Met Thr Arg Leu Trp Arg Lys Glu Asn Phe Arg Met Trp 305 310 315 320
- Pro Leu Phe Phe Glu Tyr Cys Leu Thr Thr Ile Trp Ala Phe Thr Cys 325 330 335
- Leu Val Gly Phe Ile Ile Tyr Ala Val Gln Leu Ala Gly Val Pro Leu 340 345 350
- Asn Ile Glu Leu Thr His Ile Ala Ala Thr His Thr Ala Gly Ile Leu 355 360 365

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